Appl. No. 10/532,972

Amdt. dated January 2, 2008

Reply to Office action of October 9, 2007

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application.

Listing of Claims:

Claims 1-7. (Canceled)

8. (Currently amended) In a fuel metering unit for a fuel injection system for internal

combustion engines with a high-pressure pump driven as a function of the engine speed,

wherein the fuel metering unit has a control valve (11) that is actuated by an electromagnet

(10) and has a valve piston (25), wherein the valve piston (25) is guided in a valve housing

(22), wherein the valve piston (25) is embodied as sleeve-shaped and its inner chamber (26)

contains a **front end of a** compression spring (27) that holds it in contact with an the-

armature pin (14), and wherein a the rear end of the compression spring (27) rests against a

spring plate disposed in \underline{a} the valve bore (24) of the valve housing (22), wherein the wall of

the valve housing (22) is provided with at least one , preferably several radial control

openings (32) that are formed and /or disposed so that the fuel quantity flowing through the

fuel metering unit can be adjusted as a function of the stroke of the valve piston (25), the

improvement comprising a shutoff sleeve (51) positioned at least partially in the inner

chamber (26) of the valve piston (25), the valve piston (25) and the shutoff sleeve (51)

constituting a shutoff device.

Page 2 of 9

Appl. No. 10/532,972

Amdt. dated January 2, 2008

Reply to Office action of October 9, 2007

9. (Currently amended) The fuel metering unit according to claim 8, wherein the shutoff

device includes is embodied as a ball valve (52, 53).

10. (Previously presented) The fuel metering unit according to claim 9, wherein a ball (52)

is disposed between the shutoff sleeve (51) and the valve piston (25), and wherein the shutoff

sleeve (51) has a sealing seat (53).

11. (Previously presented) The fuel metering unit according to claim 9, wherein the valve

piston (25) has a ball retainer (54), and wherein the ball retainer (54) holds the ball (52) in a

definite position in relation to the valve piston (25).

12. (Previously presented) The fuel metering unit according to claim 10, wherein the valve

piston (25) has a ball retainer (54), and wherein the ball retainer (54) holds the ball (52) in a

definite position in relation to the valve piston (25).

Claims 13-16. (Canceled)

17. (Currently amended) The fuel metering unit according to claim 8, wherein the spring

plate includes a groove in which the rear end of further comprising an annular groove

(29) or a guide collar in the shutoff sleeve (51) to contain the compression spring (27) is

positioned.

Page 3 of 9

Appl. No. 10/532,972

Amdt. dated January 2, 2008

Reply to Office action of October 9, 2007

- 18. (Currently amended) The fuel metering unit according to claim 9, wherein the spring plate includes a groove in which the rear end of further comprising an annular groove (29) or a guide collar in the shutoff sleeve (51) to contain the compression spring (27) is positioned.
- 19. (Currently amended) The fuel metering unit according to claim 10, wherein the spring plate includes a groove in which the rear end of further comprising an annular groove (29) or a guide collar in the shutoff sleeve (51) to contain the compression spring (27) is positioned.
- 20. (Currently amended) The fuel metering unit according to claim 11, wherein the spring plate includes a groove in which the rear end of further comprising an annular groove (29) or a guide collar in the shutoff sleeve (51) to contain the compression spring (27) is positioned.
- 21. (Currently amended) The fuel metering unit according to claim 12, wherein the spring plate includes a groove in which the rear end of Claim 13, further comprising an annular groove (29) or a guide collar in the shutoff sleeve (51) to contain the compression spring (27) is positioned.

Appl. No. 10/532,972 Amdt. dated January 2, 2008

Reply to Office action of October 9, 2007

22. (Previously presented) The fuel metering unit according to claim 8, wherein the control

valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially in the

valve bore (24) and then fixing it in place.

23. (Previously presented) The fuel metering unit according to claim 9, wherein the control

valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially in the

valve bore (24) and then fixing it in place.

24. (Previously presented) The fuel metering unit according to claim 10, wherein the

control valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially in

the valve bore (24) and then fixing it in place.

25. (Previously presented) The fuel metering unit according to claim 11, wherein the

control valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially in

the valve bore (24) and then fixing it in place.

26. (Currently amended) The fuel metering unit according to claim 12, claim 13, wherein

the control valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially

in the valve bore (24) and then fixing it in place.

Page 5 of 9

Appl. No. 10/532,972 Amdt. dated January 2, 2008

Reply to Office action of October 9, 2007

27. (Previously presented) The fuel metering unit according to claim 17, wherein the control valve (11) can be adjusted by appropriately shifting the shutoff sleeve (51) axially in the valve bore (24) and then fixing it in place.

28. (New) The fuel metering unit according to claim 8, wherein the shutoff sleeve (51) is positioned within the valve bore (24) and forms a guide collar which maintains the compression spring (27) between the guide collar and the valve bore (24).